Comparative Statement

BBMP/2019-20/OW/WORK_INDENT39179

Package No-12
1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda ward No.01 of Yelahanka Sub Division
2.Providing and Fixing Stone Benches to the Parks in Kempegowda ward No.01 of Yelahanka Sub Division
3.Development of Parks comes under Attur ward No.03
4.Fixing Stone benches to parks comes under Attur Ward No.03

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)		D K NAGARAJA (D K N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)	Cum	1004.23	394.42	396088.40	414.14	415891.81	418.00	419768.14
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	469.06	5421.90	2543196.41	5693.00	2670358.58	5747.00	2695687.82
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).	Cum	327.36	4871.76	1594819.35	5115.35	1674560.98	5164.00	1690487.04
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	21.81	5747.32	125349.05	6034.69	131616.59	6092.00	132866.52

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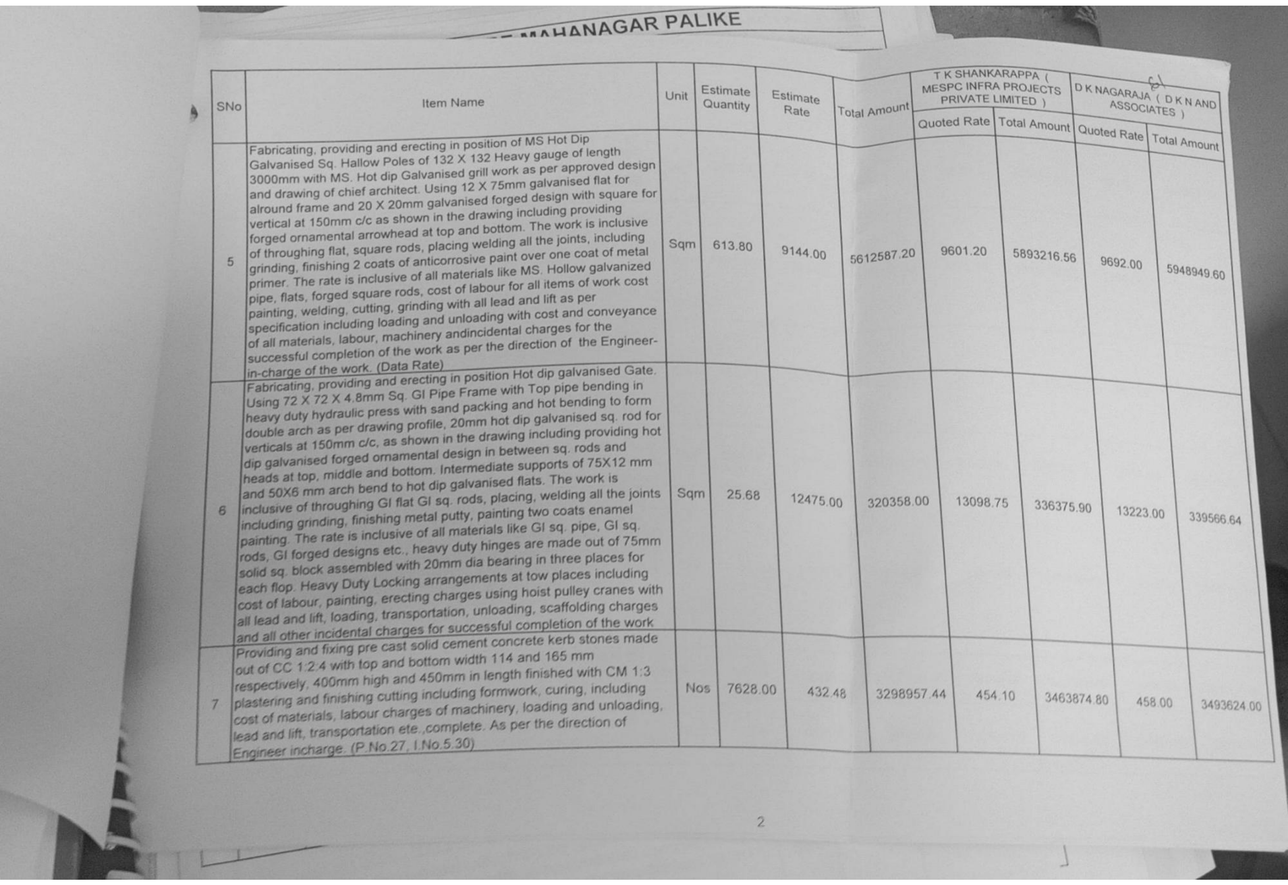

MAHANAGAR PALIKE

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)		D K NAGARAJA (D K N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
5	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	Sqm	613.80	9144.00	5612587.20	9601.20	5893216.56	9692.00	5948949.60
6	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work	Sqm	25.68	12475.00	320358.00	13098.75	336375.90	13223.00	339566.64
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)	Nos	7628.00	432.48	3298957.44	454.10	3463874.80	458.00	3493624.00

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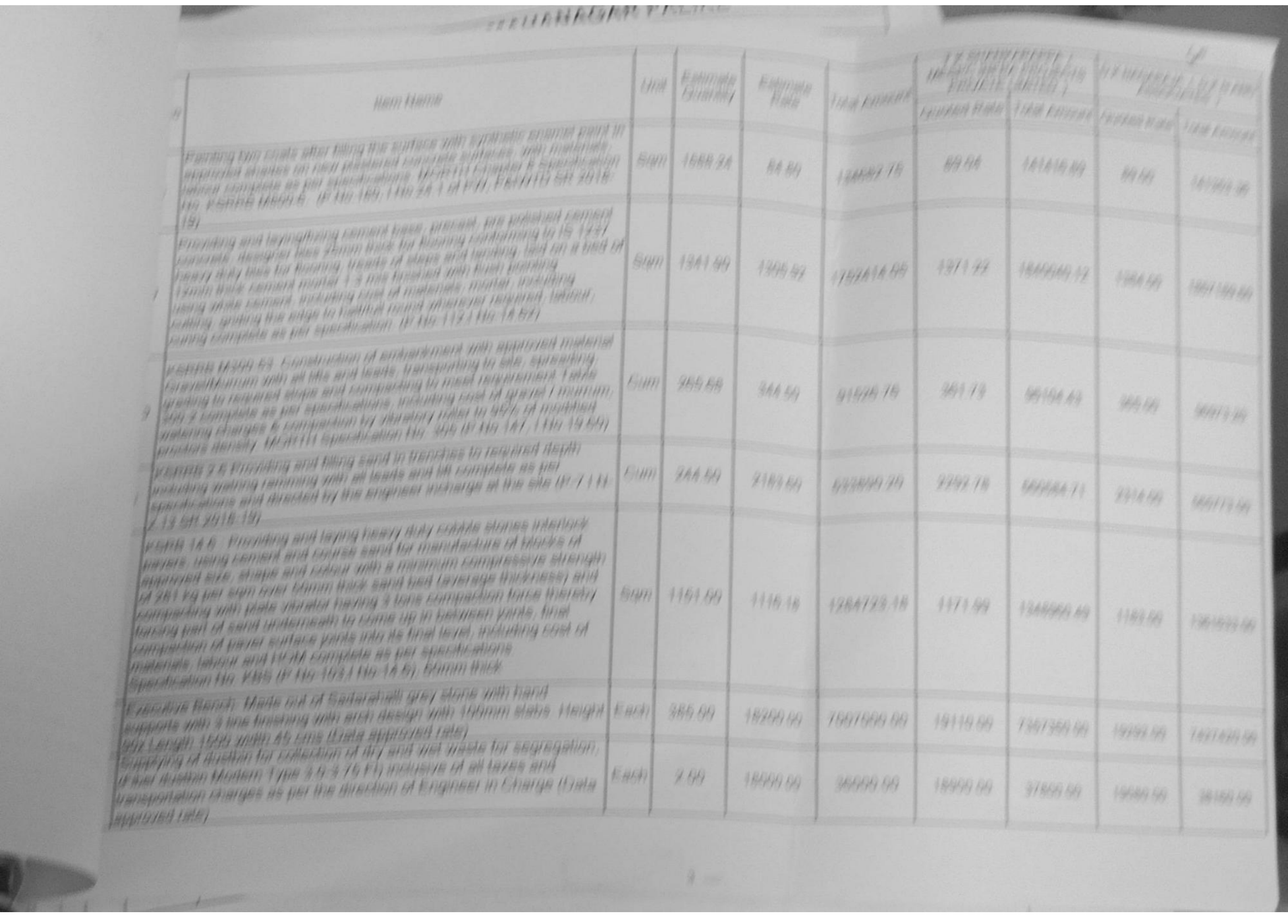

Item Name	Unit	Estimate Quantity	Estimate Rate	Total Estimate	Unit Rate	Total Estimate	Unit Rate	Total Estimate
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, wall mortar(s), internal complete as per specifications. Work(s) Chapter 8 Specification No. KSRRB 18/06.6 (P No 169, I No 24.1 of KW, Part(1) SH 2018-19)	Sqm	1668.24	84.80	141467.15	89.56	161616.89	89.56	161969.36
Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring consisting to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of (1cm thick cement mortar 1:3 mix finished with inlet marking using white cement, jointing cost of materials, mortar, including rubbing, grinding the edge to uniform round universal tapered, labour, curing complete as per specification. (P No 113 I No 14.52)	Sqm	1341.99	1366.99	1792414.66	1371.99	1840566.12	1384.99	1857189.69
KSRRB 18/06.63 Construction of embankment with approved material Gravel/Murram with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to most requirement 1 side 500 x complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctor density (Work(s) Specification No. 305 (P No 187, I No 19.60)	Cum	955.68	344.50	91626.76	361.73	99104.63	365.00	99073.20
KSRRB 2.6 Providing and filling sand to transfer to required depth including watering ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P 7 I H 7 13 SH 2018-19)	Cum	344.50	2183.60	633890.29	2299.78	669584.71	2314.00	668173.00
KSRB 18.6 Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 261 kg per sqm over 50mm thick sand bed (average thickness) and filling pan of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and TOM complete as per specifications Specification No. KMS (P No 103 I No 18.5), 60mm thick	Sqm	1161.99	1116.18	1284723.18	1171.99	1348965.49	1193.00	1385859.00
Executive Bench: Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 150mm slabs. Height 900 Length 1500 width 45 cms (Data approved rate)	Each	385.00	18200.00	7007000.00	19119.99	7361365.00	19999.00	7701615.00
Supplying of dustbin for collection of dry and wet waste for segregation, Supplying of dustbin for collection of dry and wet waste for segregation, of the dustbin Modern Type 3 (L-3 75 Ft) inclusive of all taxes and transportation charges as per the direction of Engineer in Charge (Data approved rate)	Each	2.00	18000.00	36000.00	18999.00	37998.00	19080.00	38160.00

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SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)		D K NAGARAJA (D K N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
15	Supply and fixing of childern Play Equipment Curved structural posts of height 3.5m, and 2.7mare to be schedule HOT DIP Galvanized steel with a 114mm ODand 2.2mm (wall) thickness of the tubing. The polesare welded on to a base plate made from steel with 114mm inner diameter. Handrail Dia 60mm shall bean all-robotic welded unit, fabricated from galvanized steel pipes with a baked on powder coating [using AkzoNobel INTERPON paints]finish. Swing of size 3.3 m x 0.9 m, Spring twirlof size 2.8mx 1.6 m, Twirl of size 3.0 m x 0.7 m, Steering wheel loops of size 2.5 m x 0.5 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant stainless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per EN1176 standards as a safety feature against protruding hardware, aesthetic pleasing against ugly exposed hardware and prevention against vandalism as well. Plastic Components[super thick	Each	1.00	1498833.00	1498833.00	1573774.65	1573774.65	1588762.00	1588762.00
16	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges	Each	2.00	126892.00	253784.00	133236.60	266473.20	134505.00	269010.00
17	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges	Each	2.00	83478.00	166956.00	87651.90	175303.80	88486.00	176972.00
18	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5	Cum	44.65	322.92	14418.38	339.07	15139.48	342.00	15270.30

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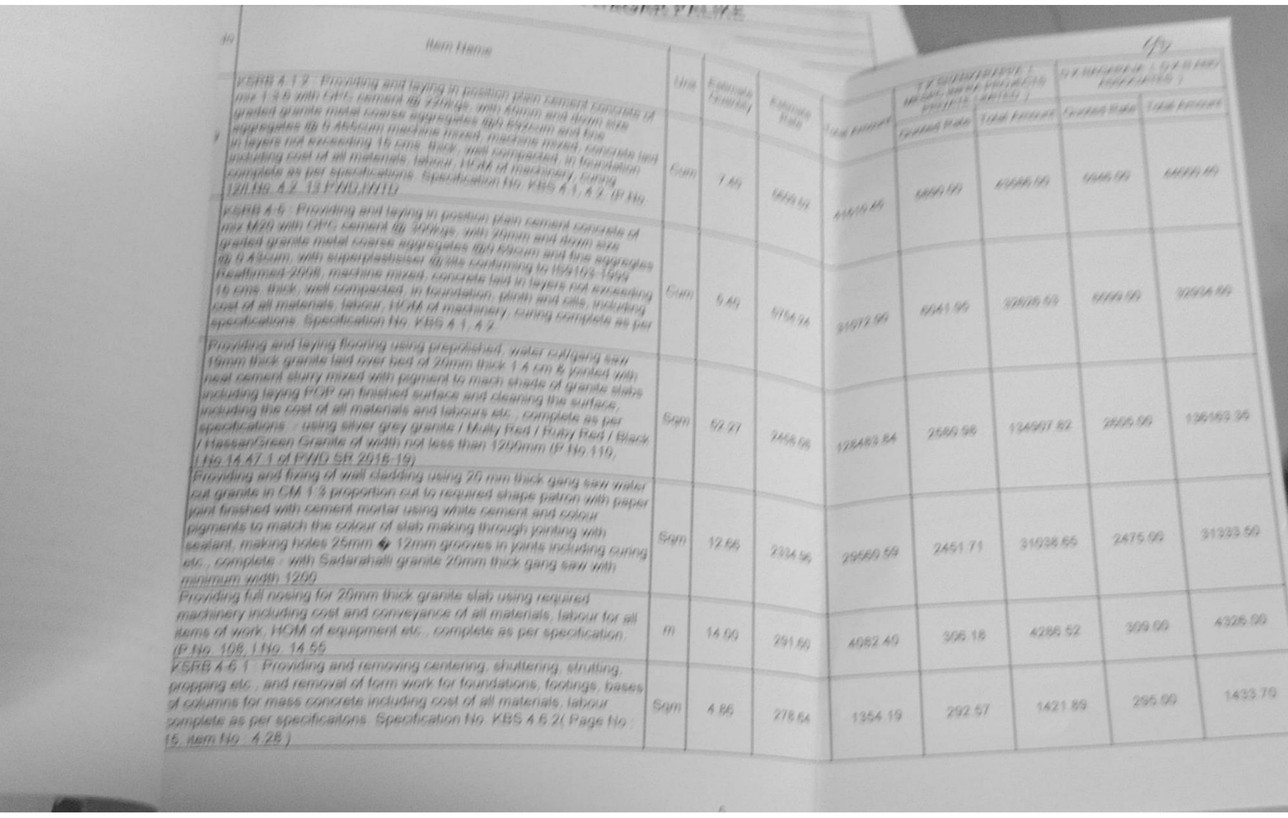

No	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K CONSTRUCTIVE (MEGA WORK PROJECTS LIMITED)		D K ENGINEER (D K B AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
	KSRB 4.1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.8/cum and fine aggregates @ 0.45/cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. (P No. 120,No. 4.2. 13 PWD,MVIB	Cum	7.40	5899.99	43659.93	5899.99	43659.93	6666.66	49333.28
	KSRB 4.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 350kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplasticiser @ as conforming to IS9103-1999 Reaffirmed 2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2	Cum	5.40	5754.74	31072.99	6041.99	32626.69	6666.66	35999.66
	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications : - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P No.110, (No 14.47.1 of PWD SR 2018-19)	Sqm	52.27	2458.98	128483.84	2580.98	134907.82	2666.66	139369.99
	Providing and fixing of wall cladding using 25 mm thick gang saw water cut granite in CM 1:3 proportion cut to required shape patron with paper joint finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm @ 12mm grooves in joints including curing etc., complete : with Sadarahalli granite 20mm thick gang saw with minimum width 1200	Sqm	12.66	2334.96	29560.59	2451.71	31038.65	2475.99	31333.59
	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (P No. 108, (No. 14.55	m	14.00	291.60	4082.40	306.18	4286.52	309.99	4339.86
	KSRB 4.6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)	Sqm	4.86	278.64	1354.19	292.57	1421.89	295.99	1438.79

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No	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T.K SHANKARAPPA (MEGPC INFRA PROJECTS PRIVATE LIMITED)		D.K.NAGARAJA (D.K.N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
25	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	23.46	492.48	11553.68	517.10	12131.17	522.00	12246.12
26	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	Cum	7.23	6111.72	44187.74	6417.31	46397.16	6478.00	46835.94
27	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	MT	1.50	76643.28	114964.92	80475.44	120713.16	81241.00	121861.50
28	KSRB15.-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	12.87	221.40	2849.42	232.47	2991.89	234.00	3011.58
29	KSRB13-8.3 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 32mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9	m	50.00	205.20	10260.00	215.46	10773.00	217.00	10850.00
30	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete.- for 50mm dia.	Each	2.00	792.72	1585.44	832.36	1664.72	840.00	1680.00

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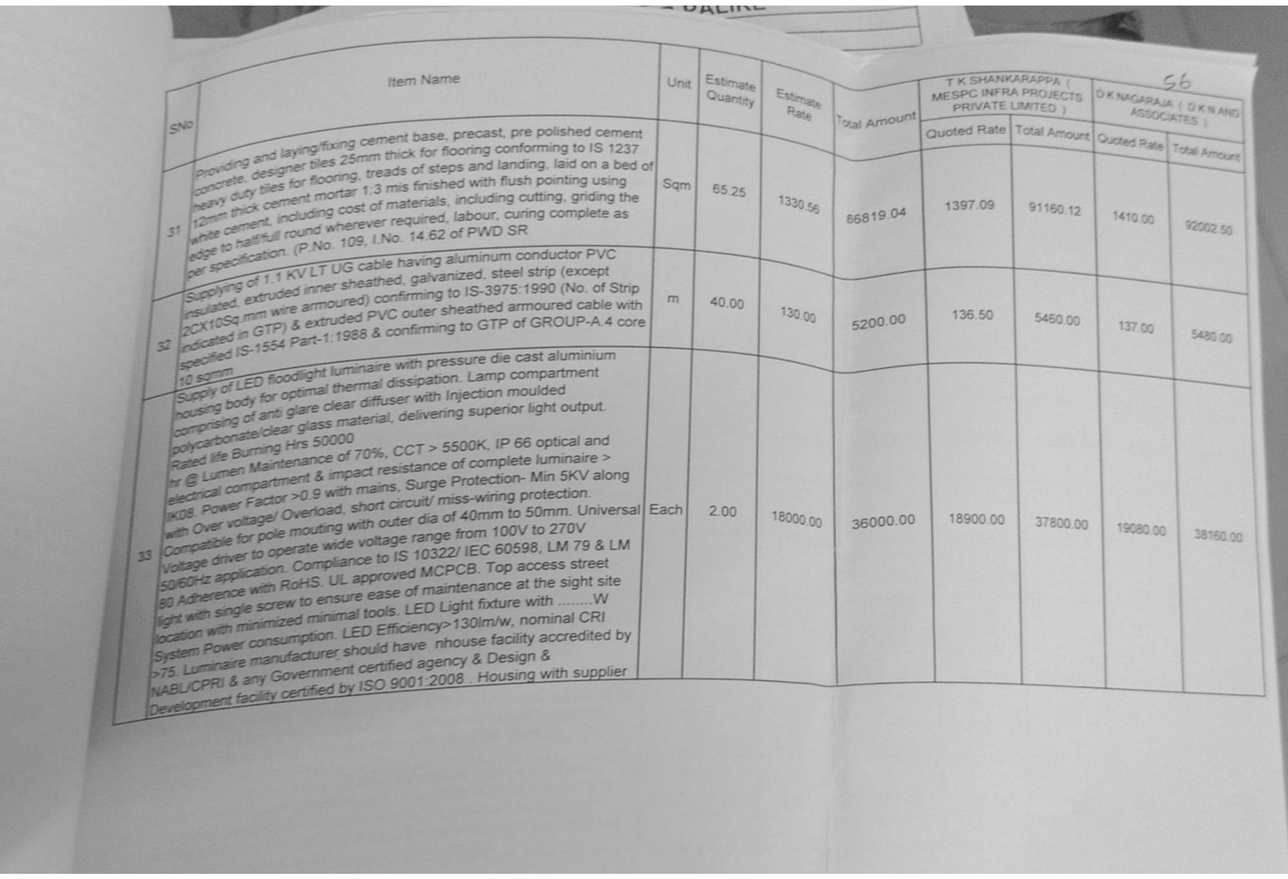

SN0	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)		D K NAGARAJA (D K N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
31	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR	Sqm	65.25	1330.56	86819.04	1397.09	91160.12	1410.00	92002.50
32	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 10 sqmm	m	40.00	130.00	5200.00	136.50	5460.00	137.00	5480.00
33	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have nhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier	Each	2.00	18000.00	36000.00	18900.00	37800.00	19080.00	38160.00

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SNo	Item Name	Unit	Estimate Quantity	Rate for Estimate Rate	Total Amount	Tender Quantity	Tender Rate	Total Amount
34	Making of clay modelling as per the approved schematic sketch for the above. Making of FRP negative mould as per the approved clay model, above. Making of FRP (Fiber Reinforced Plastic) casting master pattern for the making of Bronze Metal casting by ABC mould by silica above model. Making of all necessary melting process materials. Making of sand process with all necessary grinding, brazing, arbic bronze polishing by skill hand carving, chasing grinding, brazing, arbic bronze polishing by skill process including cost of bronze ornamental finishing. Imported PU duly silicon lacquer coating. The height of the Statue would be about 12' and supported 1 height pedestal with a weight of about 1200 Kgs including weight of MS supporting fabrication work for strengthening of statue including cost of all necessary raw materials, labour, all taxes etc., work and semi anyzans including erection, with all applicable taxes etc., complete as per the direction of officer in charge (Erection and transportation charges will considered separately), complete as per the direction of engineer in charge. (Approved quotation rate)	Set	1.00	6499999.00	6499999.00	1.00	6294100.00	6294100.00
35	Transportation of above statue to the erection spot and fixing with necessary fixtures including hire charges of machineries required for transportation & erection with necessary labour, applicable taxes etc., complete as per the direction of engineer in charge. (Approved quotation rate)	Nos	1.00	118000.00	118000.00	1.00	123000.00	123000.00
36	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size) (Ref IS M100-1 Loading and Unloading of Stone Boulder / Stone Aggregates (Sand/ Kankar / Moorum, KSRRB M100-1 : Placing Kipper at loading point, loading with front end loader dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1KSRRB M100-4.1 Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Haulage Excluding Road	Cum	44.85	114.98	5157.54	125.87	5646.16	127.96	5740.06
37	Case1 Surface Road Providing and fixing Stainless steel 304 grade for staircase railings, including welding, railings with hand rail, 50mm dia 16 guage hollow pipe welded balconies, ramps with hand rail, 50mm dia 16 guage, stainless steel vertical to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications	Rmt	93.60	6502.56	608850.82	6627.81	620363.02	6662.96	623650.26
38	KSRRB 300-1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the deposed earth to be levelled neatly after clearing of clods complete as per specifications(P NO-143 &136 ,1 No-19.1&17.4& 17.1) 5km leads- 51*2.0/1.28/5 =99.80	Cum	7.59	207.80	1575.58	217.98	1654.47	220.96	1668.90

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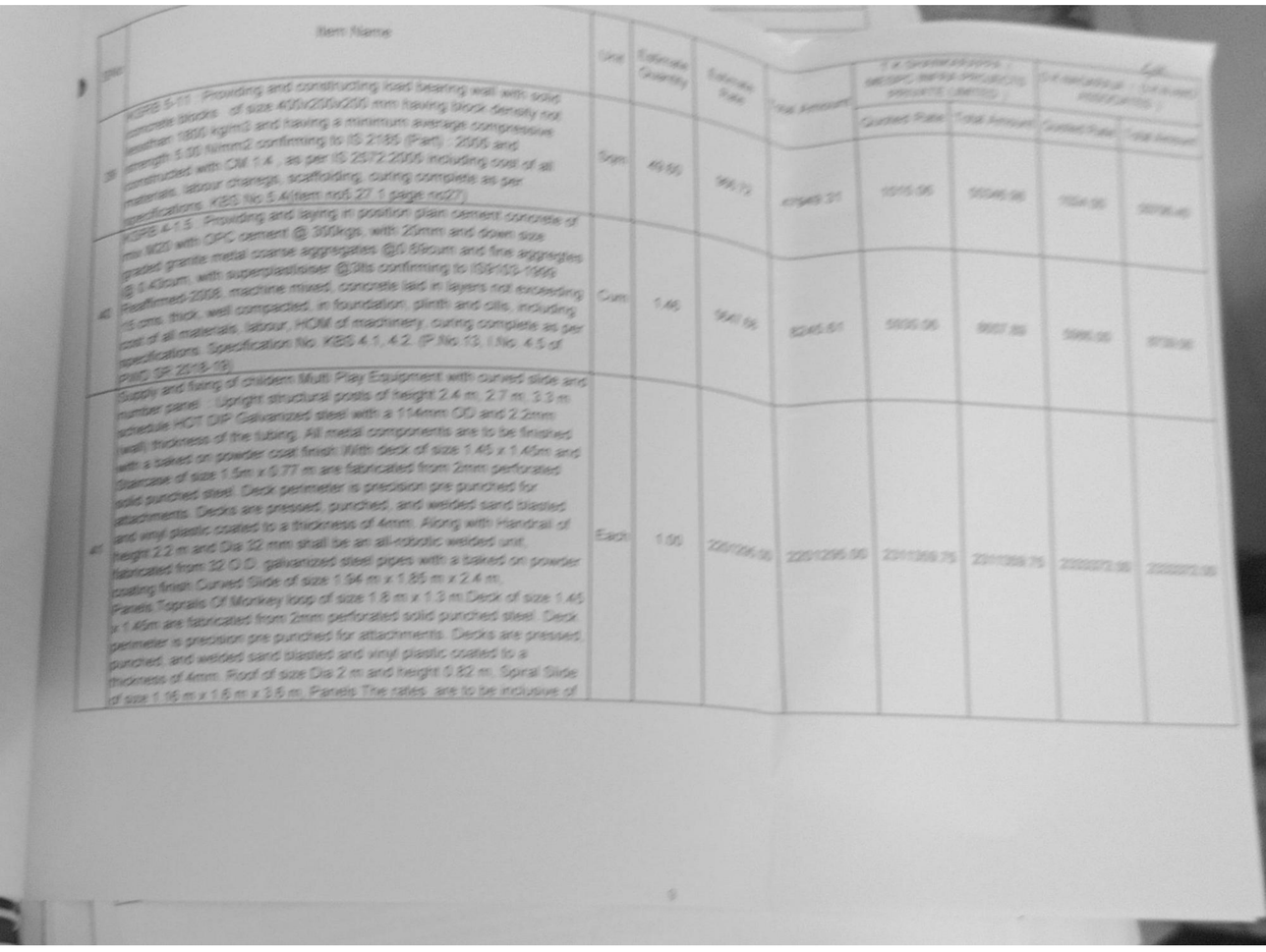

Item	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	[illegible]		[illegible]	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
39	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lesthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charege, scaffolding, curing complete as per specifications. KBS No 5.4(item nos5.27.1,page no27)	Sqm	49.60	956.72	47949.31	1015.06	50346.66	1004.00	49798.40
40	KSRB 4-1.5 : Providing and laying in position plain cement concrete of min M20 with OPC cement @ 350kgs, with 20mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.43cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No 13, I.No. 4.5 of PWD SR 2018-19)	Cum	1.46	9041.69	8245.61	5935.06	8667.89	5996.00	8739.00
41	Supply and fixing of children Multi Play Equipment with curved slide and number panel : Upright structural posts of height 2.4 m, 2.7 m, 3.3 m schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. All metal components are to be finished with a baked on powder coat finish With deck of size 1.45 x 1.45m and Staircase of size 1.5m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D galvanized steel pipes with a baked on powder coating finish Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels Toprails Of Monkey loop of size 1.8 m x 1.3 m Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m. Spiral Slide of size 1.16 m x 1.6 m x 3.6 m. Panels The rates are to be inclusive of	Each	1.00	2201295.00	2201295.00	2311359.75	2311359.75	2200372.00	2200372.00

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SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	T K SHANKARAPPA (MESMO INFRA PROJECTS PRIVATE LIMITED)		D K NAGARAJA (D K N AND ASSOCIATES)	
						Quoted Rate	Total Amount	Quoted Rate	Total Amount
42	Supply and fixing of childern Play Equipment Puppy dog Rider / Elephant rider / Horse rider : : HDPE of size 0.63 m x 0.31 m x 0.87 m, Plastic Components [super thick plastic] shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with "color molded" in not "added in". All rotational molding is carried out in state of the art, precision, bi axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stress free. Specialized connectors such as clamps and couplings are to be cast from aluminium which is pre-treated, and cured, with a baked on powder coat finish.The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges	Each	1.00	5775.00	5775.00	58584.80	58584.80	59122.00	59122.00
	Total Summary Amount				35303913.77		37069088.59		37415840.92
	% against Estimated Rate						5.00		5.98
	Total Bid Amount						37069088.59 (L1)		37415840.92 (L2)

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